

BEFORE THE FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D.C. 20554

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In the Matter of)	APR 28 1998
Amendment of Section 73.202(b),)) RM-	FEDERAL COMMUNICATIONS COMMISSION OFFICE OF THE SECRETARY
Table of Allotments)	
FM Broadcast Stations)	
(Wake Village, Texas and Arcadia, Louisiana))	
To. Chief Allocations Proper		

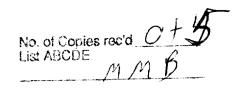
To: Chief, Allocations Branch
Policy and Rules Division
Mass Media Bureau

PETITION FOR RULE MAKING AND ORDER TO SHOW CAUSE

Houston Christian Broadcasters, Inc. (hereafter "HCBI"), by its undersigned counsel, hereby respectfully requests that the Commission modify its FM broadcast station Table of Allotments in Section 73.202¹ of the Commission's rules and regulations as follows:

Community:	Present Allocation	Proposed Allocation
Wake Village, Texas	223A	223C3
Arcadia, Louisiana	223A	231A

In addition, HCBI respectfully requests that the Commission issue a Show Cause Order requiring Charles and Patti Odom (hereafter the "Odoms"), the permittees for a new station on the present FM channel



223A allotment at Arcadia, Louisiana, to build or modify the station's facilities in conformity with the proposed FM allotment to Arcadia.² In support of this request, the following is respectfully submitted for the consideration of the Commission.

1. HCBI is the Commission permittee for a new noncommercial, educational FM broadcast station on the present FM channel 223A allotment at Wake Village, Texas. HCBI has ascertained that the present Class A FM allotment at Wake Village can be up-graded to a Class C-3 allotment. See the attached "Declaration" by Lechman & Johnson, Inc. However, in order to make the modification in the Wake Village FM allotment in conformity with Section 73.207 of the Commission's rules, the present FM channel 223A allotment at Arcadia. Louisiana must be modified. HCBI has ascertained that FM channel 231A can be allocated to Arcadia, Louisiana in place of FM channel 223A with a site restriction approximately 2 kilometers east of the presently proposed transmitter site for the construction permit held by the Odoms.

¹ 47 CFR 73.202(b).

² See FCC File BPH-961031ME.

³ See FCC Public Notice Report No. 44221A (released April 16, 1998) approving the HCBI application on FM channel 223A at Wake Village, Texas.

- 2. As the attached engineering Declaration demonstrates, HCBI will increase the potential coverage area of the new Wake Village FM station, the first local service to that community, by 90%. In addition, the population contained in the 60 d/B/u contour of the station will increase by 18% based on the 1990 census, with additional population growth expected in the service area over the next several years. This increase in the service area and population of the Wake Village FM station can be attained without any diminution of the service to be provided by the Arcadia FM station. Accordingly, the public interest is served by the proposed change in the two FM allotments under Section 307(b) of the Communications Act of 1934, as amended.
- 3. HCBI is willing to reimburse the Odoms for the legitimate and prudent costs associated with the implementation of the change in the Arcadia FM allotment and as appropriate under the Commission's rules and policies. In the event the Commission adopts the HCBI proposal herein, HCBI will modify the construction permit for the new Wake Village FM station in conformity therewith and will promptly, upon the issuance of a modified construction permit, build the station as a Class C-3 facility.

Wherefore, based on the foregoing, Houston Christian

Broadcasters, Inc. respectfully requests that the FM Table of Allotments

contained in Section 73.202 of the Commission's rules and regulations

be modified to assign FM channel 223C3 to Wake Village, Texas in lieu

of FM channel 223A, assign FM channel 231A to Arcadia, Louisiana in

lieu of FM channel 223A, and modify the authorization held by the

Odoms to specify operation in accordance therewith.

Respectfully submitted,

Houston Christian Broadcasters, Inc.

By: Jeffrey D. Southmayd

Its Attorney

Southmayd & Miller 1220 19th Street, N.W. Suite 400 Washington, D.C. 20036 (202) 331-4100

Date: April 28, 1998

CERTIFICATE OF SERVICE

I, Jeffrey D. Southmayd, hereby certify copies of the foregoing "Petition For Rule Making And Order To Show Cause" were served by first class United States mail, postage pre-paid, on this 28th day of April, 1998, on the following:

Mr. John Karousos
Chief
Allocations Branch
Policy and Rules Division
Mass Media Bureau
Federal Communications Commission
2000 M Street, N.W.
Room 565
Washington, D.C. 20554*

Charles and Pattie Odom 1004 Elm Street Minden, Louisiana 71055

DECLARATION

IN SUPPORT OF A PETITION FOR RULE MAKING

PREPARED FOR HOUSTON CHRISTIAN BROADCASTERS, INC. WAKE VILLAGE, TEXAS

DECLARATION

ENGINEERING STATEMENT

Peter W. Lechman says that he is an engineer and President of Lechman & Johnson, Inc. Telecommunications Consultants, with offices located at 9049 Shady Grove Court, Gaithersburg, Maryland 20877 and that his qualifications are a matter of record with the Federal Communications Commission.

That the firm of Lechman & Johnson, Inc. has been retained by Houston Christian Broadcasters, Inc. ("HCB") to prepare this Engineering Statement in support of a Petition for Rule Making to amend the TABLE of FM Assignments, Section 73.207(b), to allocate Channel 223C3 to Wake Village, Texas in lieu of Channel 223A. It is proposed to amend the TABLE of FM Assignments as follows:

	Present	Proposed
Community	Allocation	<u>Allocation</u>
Wake Village, TX	223A	223C3
Arcadia, LA	223A	231A

A channel study was performed to determine whether an upgrade from Class A to Class C3 on Channel 223 could be made for Wake Village, Texas. For the initial study, the reference coordinates of Wake Village were used. These coordinates are as follows:

North Latitude: 33° 25' 36" West Longitude: 94° 06' 22"

TABLE I-A is a computer study for Channel 223C3 from the reference site. As shown, FM Station KTKC, Channel 224A, Springhill, LA and KARQ, Channel 221A, Ashdown, AR preclude this upgrade using the reference site. EXHIBIT 1-A is a map showing arcs that represent the separation between existing stations, CP, application, etc. in accordance with Section 73.207 of the Rules and Regulations.

Channel 223C3 is workable using a hypothetical transmitter site as follows:

North Latitude: 33° 20' 00" West Longitude 93° 58' 00"

Lechman & Johnson, Inc.

DECLARATION HOUSTON CHRISTIAN BROADCASTERS, INC. Page Two

TABLE I-B is a computer study for Channel 223C3 using the above hypothetical coordinates for the transmitter site. The site is short-spaced to KTKC's licensed facility operating on Channel 224A. KTKC holds a Construction Permit (BMPH-970717IC) to upgrade to Channel 225C2. Therefore, this proposal meets the spacing requirements for Channel 223C3 at Wake Village to Channel 225C2 at Springhill, Louisiana. The proposed deletion of Channel 223A allotted to Arcadia will allow an area for a transmitter site to be located for Wake Village which meets all the spacing requirements to other stations and will provide the prerequisite 70 dBu coverage over Wake Village. EXHIBIT 1-B is a map depicting the area to locate a transmitter site.

TABLE II is a computer study for Channel 231A using the proposed transmitter site in its CP (BPH-961031ME) for Arcadia, Louisiana. As seen, a site move of approximately 2 km east will be required. EXHIBIT 2 is a map showing the area to locate Channel 231A that meets the spacing and City Grade coverage requirements of the Rules and Regulations.

EXHIBIT 3 is a map depicting the 60 dBu contours of HCB's application BPH-970630MB on Channel 223A and Channel 223C3 using the hypothetical transmitter site for the upgrade. The 1990 population figures are 107,839 and 127,181 people, respectively. The areas are 2,504 and 4,760 sq. km, respectively. The upgrade represents an increase of 18% in population and 90% in area.

EXHIBIT 4 is a map showing that Channel 223C3 allotted to Wake Village will provide City Grade coverage over Wake Village.

The results of these studies show that Channel 223C3 can be assigned to Wake Village, Texas and Channel 231A can be assigned to Arcadia, Louisiana and is consistent with the requirements of the Commission's Rules and Regulations.

LECHMAN & JOHNSON, INC.

Peter W. Lechman Consulting Engineer

February 20, 1998

Lechman & Johnson, Inc.

******* FM CHANNEL STUDY NO. 1 -***********

LECHMAN & JOHNSON, INC. GAITHERSBURG, MARYLAND - 20-FEB-98 07:03:15 ******** LAST UPDATE: 980214

NEW 223 C3 FM WAKE VILLAGE TX US 33.2536 94.0622 (D.MMSS)

POLARIZATION ERP (KW) TAAH RCAMSL (METER) HOR PLN BM TILT (METER) 100.0

HORIZONTAL 25,000 0.000 0.000 100.0 VERTICAL 25.000

THE FOLLOWING CONTOURS ARE CALCULATED USING:

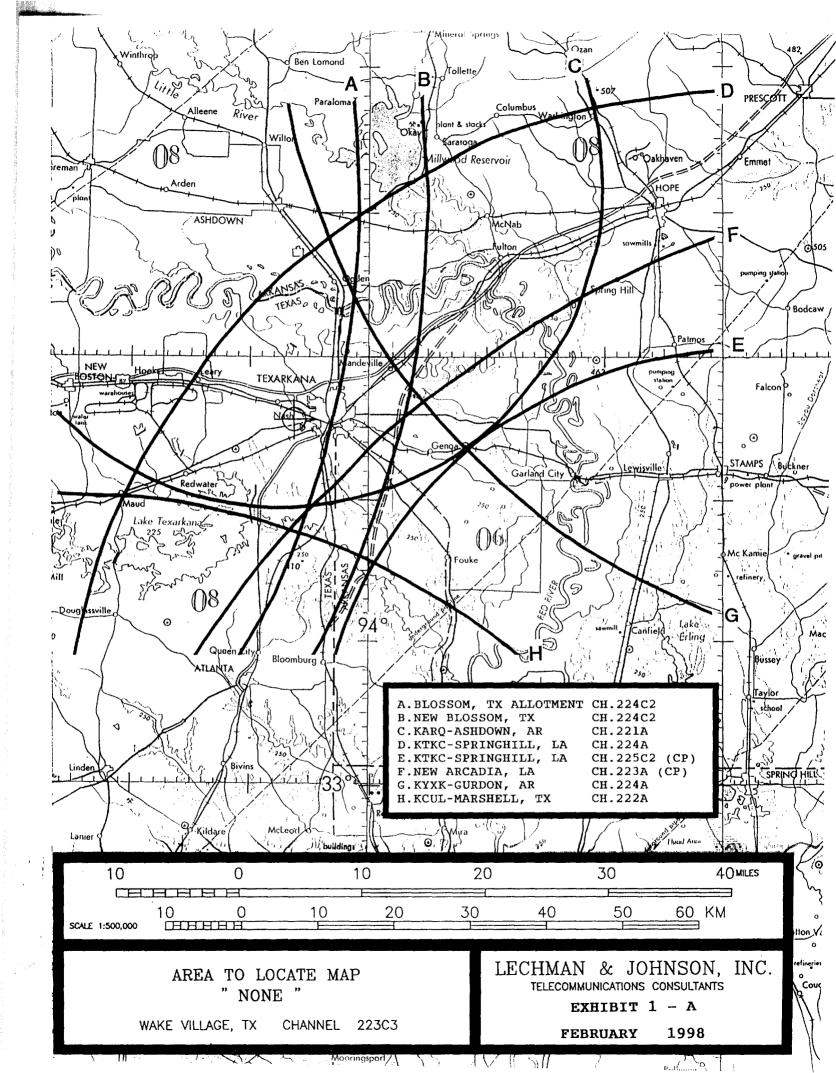
ERP= 25.000 (KW) 14.0 (DBK) HAAT= 100.0 (METERS)

CALCULATED	HAAT	FROM	TOPO	DATA	BASE

	AZIMUTH	HAAT	HAAT	CONTOURS	(KM)
INTERFERING DOMESTIC	DEGREES	(METERS)	(FEET)	70 DBU	60 DBU
DBU KM	0.0	99.8	327.4	23.2	39.0
CO CHANNEL (40.0) 113.6	45.0	98.7	323.8	23.1	38.9
1ST ADJACENT (54.0) 60.2	90,0	88.0	288.7	21.8	37.0
2ND ADJACENT (80.0) 12.9	135.0	107.9	353.9	24.1	40.3
3RD ADJACENT (100.0) 4.1	180.0	113.9	373.8	24.7	41.2
	225.0	109.6	359.4	24.3	40.6
PROTECTED (60.0) 39.1	270.0	88.7	290.9	21.9	37.1
	315.0	93.4	306.6	22.5	38.0
CITY GRADE (70.0) 23.2					
	AVERAGE	100.0	328.1	23.2	39.1

94.7 m.; 310.7 ft. EST SITE ELEVATION: EST RAD CENTER AGL : 95.1 m.; 312.0 ft. RAD CENTER A.M.S.L.: 189.8 m.; 622.7 ft.

AZIN	IUTH							LAT	LONG			ERP	(KW)	HA	AT I	1-C0	IN P-CON		IR	IC	REZLT
FROM	TO	CALL	STS	FILE NUMBER	CITY	ST	C	MM.(I)	SS)	REL	CHN	HORZ	VERT	(H) A	F501	.0 F5050	DIST	RSEP	RSEP	IR IC
																(KM)	(KM)	(KH)	(KH)	(KH)	
357.0	177.0	KARQ	DEL	RM9014	Ashdown	AR	A	33.4156	94.0724	2ND	221A	ł	ł V	,	0			30.2	42.		S
															**1	OCKET	**97-22	3 **			
357.0	177.0	KARQ	LIC	BLH850705 LJ	Ashdown	AR	A	33,4156	94.0724	2ND	221A	2.80	12.80V	,	93			30.2	42.		S
																OCKET	**83-12	28 **			
349.1	169.0	KDONFH	ADD	RM9014	De Queen	AR	A	34.1335	94.1735	2ND	221C2	ŀ	1 1					90.4	56.		
																OCKET	**97-22				
		KDONFM		BLH961017KA														90.4			
		KCULFN		BLH961227KC			•						1 5.BV					102.1			
	240.1		LIC	BLH860501KF											286				144.		
301.1			ADD		Antlers				95.4213			-	i V						117.		
			LIC	BLH940103KB	San Ausus	ΤX	A	31.3144	94.0559		223A		1.4V		67				142.		
135.7	316.3	MEM	CP	BPH961031ME	Arcadia	LA	A	32,2658	92,5849	CO	223A	5.50H	15.500) :	1000)			142,		
251.6			LIC	BLH801126AA	Dallas	ΤX	A	32,3522	96,5810	CO	223C	98.8	98.B	3	485			283.2	237.		
251.6	70.0	KZPSau	LIC	BLH871020KK	Dallas	ΤX	A	32,3524	96.5821	CO	2 23 0	44.1	1 44.V) :	233			283.5	237.		
105.1	285.1	NEW	APP	BPH970630MB	Wake Vill	TX	A	33.2513	94.0440	CO	223A	6.01	1 6.00	/ :	1000)		2.7	142.		MX
345.4	165.1	KPRVFM	LIC	BLH970822KD	Heavener	OK	A	34.5354	94.3430	CO	223A	1.55	11.55V) :	195			168.9	142.		
	236.4		LIC	BLH850103KP	Gurdon	AR	A	33.5642	93.1043	15T	224A	3.00}	13.00V	1	91			103.4	89.		
128.4			LIC		Springhil					15T	224A	3.00H	13.000	į	53			74.7	89,		S
*1	COMME	0T***To	chanse	to 225C3 Per	· one-ster	375	li	cation 9	60725IC-												
128.3	308.7	KTKC	CP	BMPH970717IC	Sprinshil	LA	A	33.0030	93,2838	2ND	22502	40.1	1 40.V) :	167			74.8	56.		
274.0			APP	BPH960703MI	Blossom	ΤX	A	33.2912					1 50.V		150			102.8			S
295.8	115.2	NEW	APP	BPH960708MF	Blossom	ΤX	A	33.5214	95.1332	15T	224C2	50.0H	150.0V) :	150				117.		S
274.0	93.4	NEW	APP	BPH960709ME	Blossom	ΤX	A	33,2912	95.1235	157	224C2	50.0	150.0V	}	150				117.		S
285.1	104.5	NEW	APP	BPH960708MD	Plossom	ΤX	A	33.3945	95.1031	1ST	224C2	50.01	150.0V) :	150			102.7	117.		S
284.3	103.7		VAC		Blossom	ΤX	A	33,4007	75.1613	157	22402	1	4 ()	0			111.4	117,		S
**WIN	OOW OF	EN /	/ CL	OSE 07/08/96	**COMMENT	ckSi	te	Restric	tion 11.	Okin F	last-U	ffects	ive 5∼	7.4	9# *[[(OCKE)	* *95-75	**			



******* FM CHANNEL STUDY NO. 1 -****************

LECHMAN & JOHNSON, INC. GAITHERSBURG, MARYLAND - 20-FEB-98 07:44:51 ********* LAST UPDATE: 980214

NEW 223 C3 FM WAKE VILLAGE TX US 33.2000 93.5800 (D.MMSS)

POLARIZATION ERP (KW) HAAT RCAMSL (METER) HOR PLN BM TILT (METER) 100.0 HORIZONTAL 25,000 0.000 25,000 0.000 100.0 VERTICAL

THE FOLLOWING CONTOURS ARE CALCULATED USING:

ERP= 25.000 (KW) 14.0 (DBK) HAAT= 100.0 (METERS)

INTERFERING		DOME	ESTIC
		DBU	KK
CO CHANNEL	(40.0)	113.6
1ST ADJACENT	(54.0)	60.2
2ND ADJACENT	(80.0)	12.9
3RD ADJACENT	()	100.0)	4.1
PROTECTED	(60.0)	39.1
CITY GRADE	(70.0)	23.2

288.4 107.8 NEW

**WINDOW OPEN

287.5 106.8

APP

VAC

1 1

BPH960708MD Blossom

Blossom

TX A 33.3945

TX A 33.4007 95.1613 1ST 22402

CLOSE 07/08/96 **COMMENT**Site Restriction 11.0km East-Effective 6-7-9**DOCKET**95-75

CALCULATED HAAT FROM TOPO DATA BASE

AZIMUTH	HAAT	HAAT	CONTOURS	(KM)
DEGREES	(METERS)	(FEET)	70 DBU	90 DBA
0.0	75.8	248.8	20.3	34.5
45.0	85.4	280.7	21.5	36.5
90.0	93.0	305.1	22.4	37.9
135.0	101.5	333.0	23.4	39.3
180.0	124.5	408.5	25.6	42.6
225.0	116.6	382.5	24.9	41.6
270.0	108.0	354.5	24.1	40.4
315.0	95.0	311.5	22.7	38.2
AVERAGE	100.0	328.1	23.2	39.1

EST SITE ELEVATION: 91.4 m.; 300.0 ft. EST RAD CENTER AGL : 91.2 m.; 299.2 ft. RAD CENTER A.M.S.L.: 182.6 m.; 599.2 ft.

150

Н

0

C

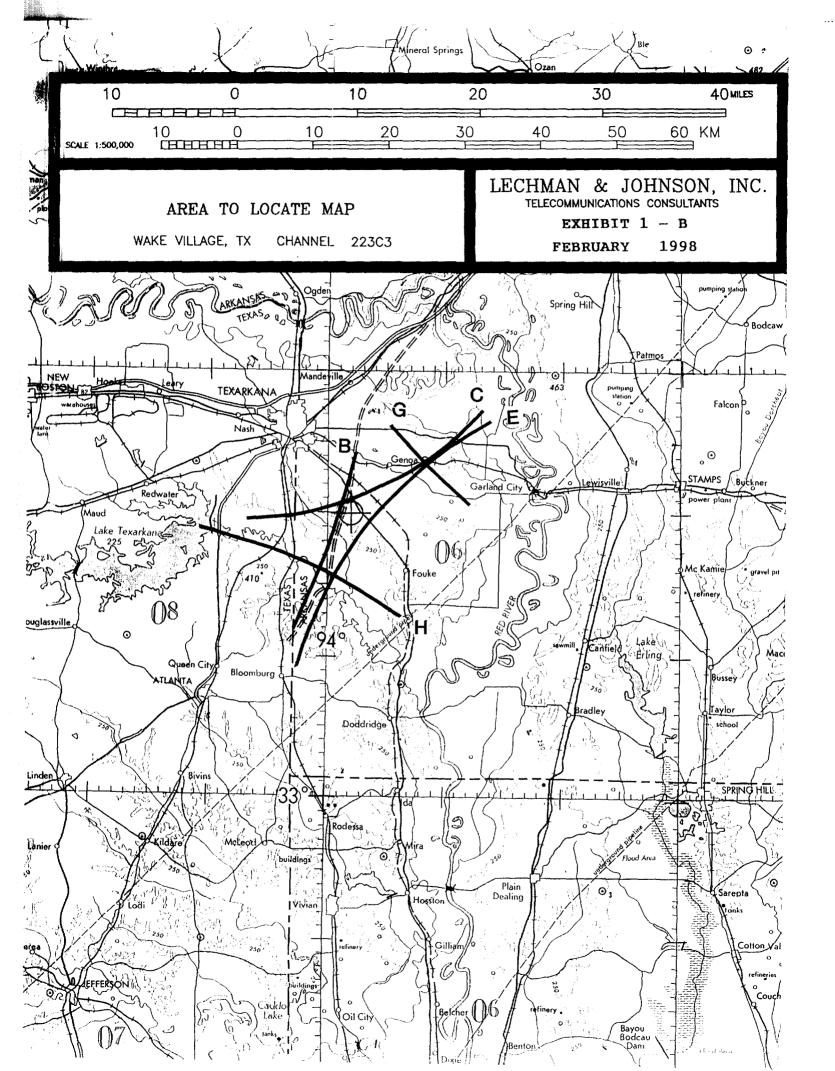
118.1 117.

126.7 117.

**

IC REZLT AZIMUTH LAT LONG ERP (KW) HAAT D I-CON P-CON ΙR (D.MMSS) REL CHN HORZ VERT (N) A F5010 F5050 DIST RSEP RSEP IR IC FROM TO CALL STS FILE NUMBER CITY ST C (KM) (KM) (KM) (KM) (KM) C 43.1 340.4 160.3 KARQ DEL RM9014 Ashdown AR A 33.4156 94.0724 2ND 221A 0 42. **DOCKET**97-223 ** 340.4 160.3 KARQ LIC BLH850705LJ Ashdown AR A 33.4156 94.0724 2ND 221A 2.80H2.80V 43.1 **DOCKET**83-1228 ** 204.8 24.6 KCULFM LIC BLH961227KC Marshall TX A 32.3226 94.2403 1ST 222A 5.8H 5.8V 100 96.8 89. C 54.7 235.7 KIPR BLH860501KF Fine Bluf AR A 34.2212 92.1007 1ST 222C1 100.H100.V LIC 286 202.3 144. 183.6 3.5 KCOT LIC BLH940103KD San Augus TX A 31.3144 94.0559 CO 223A 1.4H 1.4V 200.5 142. 67 136.6 317.1 NEW CP 92.5849 CO 223A BPH961031ME Arcadia LA A 32.2658 5.50H5.50V 1000 134.6 142. S 254.4 72.7 KZPS LIC BLH801126AA Dallas TX A 32.3522 96.5810 CO 2230 98.B 98.B 485 292,6 237. 2230 292.9 237. 254.4 72.8 KZPSau LIC 96.5821 CO 44.H 44.V 233 RLH871020KK Dallas TX A 32.3524 BPH970630MB Wake Vill TX A 33.2513 94.0440 CO 223A 4.0H 6.0V 14.1 142. 313.2 133.1 NEW APP 1000 94.3430 CO 342.3 162.0 KPRVFM LIC BLH970B22KD Heavener OK A 34,5354 223A 1.55H1.55V 195 182.4 142. 93.1043 1ST 224A 99.7 87. 3.00H3.00V 91 46.8 227.2 KYXK LIC BLH850103KP Gurdon AR A 33,5642 93.2843 1ST 224A 3.00H3.00V 53 58.1 89. S 128.4 308.7 KTKC LIC BLH6831 Springhil LA A 33.0028 C 93.2838 2ND 22502 58.2 56. 128.3 308.6 KTKC CP BMPH970717IC Springhil LA A 33.0030 40.H 40.V 167 **COMMENT**From Channel 224A per one-step application 278.7 98.1 NEW APP BPH960703MI Blossom TX A 33.2912 95.1235 1ST 224C2 50.H 50.V 150 116.9 117. APP BPH960708MF Blossom 297.5 116.8 NEW TX A 33.5214 95.1332 1ST 224C2 50.0H50.0V 150 131,2 117, 278.7 98.1 NEW APP BPH960709ME Blossom TX A 33.2912 95.1235 1ST 224C2 50.0H50.0V 150 116.9 117. s

95.1031 1ST 224C2 50.0H50.0V



****** FM CHANNEL STUDY NO. 1 - LECHMAN & JOHNSON, INC. GAITHERSBURG, MARYLAND - 19-FEB-98 10:53:04 ********* *********** ****************** LAST UPDATE: 980214 231 A NEW FΧ POLARTZATION ERP (KW) HAAT RCAMSL (METER) ARCADIA LA US HOR PLN BM TILT (METER) 32,2658 92,5849 (D.MMSS) HORIZONTAL 6.000 0.000 100.0 6.000 **VERTICAL** 0.000 100.0 CALCULATED HAAT FROM TOPO DATA BASE THE FOLLOWING CONTOURS ARE CALCULATED USING: ERP= 6.000 (KW) 7.8 (DBK) HAAT= 124.4 (METERS) 171 DEG_TRUE CONTOURS (KM) AZIMUTH HAAT HAAT (FEET) 70 DBU 60 DBU INTERFERING DOMESTIC DEGREES (METERS) DBU 0.0 84.2 276.3 14.7 26.1 KM 25.9 45.0 82.9 272.1 14.5 CO CHANNEL (40.0) 90.6 334.2 28.5 90.0 16.3 1ST ADJACENT (54.0) 47.8 101.9 314.4 27.7 2ND ADJACENT (80.0) 10.1 135.0 95.8 15.8 3RD ADJACENT (100.0) 3.0 380.9 30.3 180.0 116.1 17.6 225.0 106.1 348.0 16.7 29.1 PROTECTED (60.0) 31.2 270.0 116.5 382.2 17.6 30.3 315.0 96.5 316.6 15.8 27.8 CITY GRADE (70.0) 18.2 AVERAGE 100.0 328.1 16.2 28.3 84.8 m.; 278.3 ft. EST SITE ELEVATION:

**** CONTOUR CALCULATIONS BASED UPON MAXIMUM HAATS ****

*******	*****	******	********	*******	***	**	******	k*** * *	****	**** **	****	*****	***	***	*****	*****	*****	(**** *	****	*****
AZIMUTH							LAT	LONG			ERP	(K₩)	НА	AT I	I-CON	P-CON		IR	31	REZLT
FROM TO	CALL	STS	FILE NUMBER	CITY	ST	C	(D.MMS	SS)	REL	CHN	HORZ	VERT	(M) A		F5050	DIST			IR IC
286.2 105.7	KITT	LIC	BLH840607CO	Shreveror	LA	A	32.4039	93.5541	2ND	2290	100.	B100.E	3	323	(KM)	(KM)	(KM) 92.5	(KM) 95.	(KM)	S
65.5 246.0		USE		Bastrop	LA	A :	32.5043	91.5610	1ST	230C3	ı	1 ()	0			107.4	89.		
CONNE	NTSit	e Restr	icted-Effect:	ive 01-17-	B 9- F	₹SV	D For KT	RYFM Per	D87	-242				**I	OCKET*	*87-24	**			
128.4 309.6		USE		Kentwood	LA	A	30.5118	90.3959	CD	231C1	1	- L	Į	0			281.8	200.		
CONHE	NTEPF	ective	7-22-91-Rsvd	for WXLT	199	D9	0-282							**[OCKET*	*90-28 2	**			
131.7 312.8	WEXX	LIC	BLH930616KA	Kentwood	LA	A	30.5144	90.5534	c_0	23101	100.	4100.V)	319			262.5	200.		
200.7 20.2	KQXYFN	LIC	BLH800619AE	Beaumont	ΤX	A	30.0656	94.0000	CO	231C1	100.	H100.	J	185			276.4	200.		
9.6 189.9	KKPT	LIC	BLH911018KN	Little Ro	ΑŔ	A	34.4756	92,2944	CO	231C	100.	H100.V)	533			264.4	226.		
67.4 248.0	KTRYFH	LIC	BLH6141	Bastrop	LA	A	32.4910	91.5429	1ST	232A	3.00	H (1	101			108.7	72.		
285.6 105.1	KRUF	LIC	BLH880314KB	Shrevepor	LA	A	32.4013	93,5559	2ND	2330	100.1	3100.E	}	346			92.8	95.		S
*******	*****	******	****	*******	k***	**	******	*****	****	*****	*** *	*****	k##	***	*****	*****	*****	(**** 	****	****

EST RAD CENTER AGL :

RAD CENTER A.M.S.L.:

100.1 m.;

184.9 m.;

328.3 ft.

606.6 ft.

